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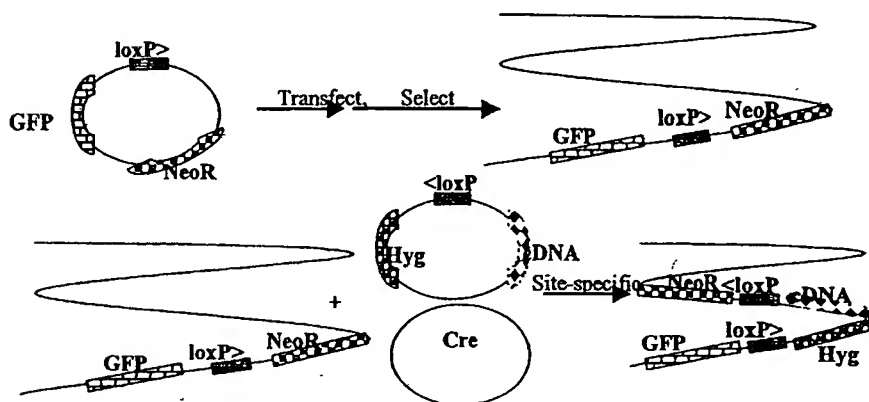
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(54) Use of post-transcriptional gene silencing for identifying nucleic acid sequences that modulate the function of a cell

(57) Described herein are methods for identifying nucleic acid sequences that modulate the function of a cell, the expression of a gene in a cell, or the biological

activity of a target polypeptide in a cell. The methods involve the use of double stranded RNA expression libraries, double stranded RNA molecules, and post-transcriptional gene silencing techniques.

Fig. 1





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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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X	<p>WIANNY F ET AL: "Specific interference with gene function by double-stranded RNA in early mouse development"</p> <p>NATURE CELL BIOLOGY, MACMILLAN PUBLISHERS, GB, vol. 2, no. 2, February 2000 (2000-02), pages 70-75, XP002138445</p> <p>ISSN: 1465-7392</p> <p>* abstract *</p> <p>* page 73, column 2, paragraph 1 - page 74, column 1, paragraph 3; figures 2,3,5,6 *</p> <p>---</p> <p>-/--</p>	23-39	<p>TECHNICAL FIELDS SEARCHED (Int.Cl.7)</p> <p>C12N</p> <p>C12Q</p>
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
MUNICH		9 December 2003	Bradbrook, D
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant if taken alone</p> <p>Y: particularly relevant if combined with another document of the same category</p> <p>A: technological background</p> <p>O: non-written disclosure</p> <p>P: intermediate document</p> <p>T: theory or principle underlying the invention</p> <p>E: earlier patent document, but published on, or after the filing date</p> <p>D: document cited in the application</p> <p>L: document cited for other reasons</p> <p>&: member of the same patent family, corresponding document</p>			

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